

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses

Manufacture of plastic products, including compounding and conversion

Product categories

Polymer preparations and compounds

1.3. Details of the supplier of the safety data sheet

Name:	KRAIBURG TPE GmbH & Co. KG
Address:	Friedrich-Schmidt-Str. 2
	D-84478 Waldkraiburg
Information contact:	+49 (8638) 9810 0
E-Mail (competent person):	regulatory@kraiburg-tpe.com

1.4. Emergency telephone number

Emergency advice	+49 (8638) 9810 0
	This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Skin Sens. 1	H317
Aquatic Chronic 3	H412

2.2. Label elements

Labelling according to Regulation (EG) Nr. 1272/2008 (CLP/GHS)



GHS07

Signal word: Warning

Hazard Statements for health hazards

H317 May cause an allergic skin reaction.

Hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

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Precautionary Statements

Prevention

- P261 Avoid breathing dust/fume/gas/mist/vapour/spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.2. Mixtures

CAS No.	EG No	Name	[ppm]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64359-81-5	264-843-8	4,5-Dichlor-2-oktyl-2H-isothiazol-3-one	250 – 2490	Acute Tox. 4, H302 / Acute Tox. 4, H312 / Acute Tox. 2, H330 / Skin Corr. 1C, H314 / Eye Dam. 1, H318 / Skin Sens. 1A, H317 / STOT SE 3, H335 / Aqu. Acute 1, H400 M=100 / Aqu. Chronic 1, H410 M=10

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information

In case of allergic reactions, especially at respiratory tract, seek medical treatment immediately.
Take affected person into fresh air.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
If intensive inhalation of dust seek medical treatment immediately.
In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water.
Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Induce the patient to vomit by himself only if fully conscious.
Turn a vomiting person lying on his back onto his side.
Rinse out mouth thoroughly with water.

4.2. Most important symptoms and effects, both acute and delayed

Allergic symptoms

4.3. Indication of any immediate medical attention and special treatment needed Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Nitrogen gases (NOx)

Carbon monoxide (CO)

Carbon dioxide (CO2)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep people away and stay on the upwind side.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

Knock down dust with water spray jet.

6.3. Methods and material for containment and cleaning up

Avoid dust formation.

Flush away residues with water.

Take up mechanically and send for disposal.

6.4. Reference to other sections

Information for disposal see chapter 13.

Safe handling: see section 7

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation and deposition of dust.
Care for suitable extraction / ventilation at processing machines.
While handling with warm product suck off vapours.
Extraction in situ required.

Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.
Avoid sedimentation of dust.
Avoid formation of dust.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Ventilate store-rooms thoroughly.

Advice on storage compatibility

Do not store with oxidizing agents.
Do not store together with food.
Do not store together with reducing agents.

Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Storage group 11

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.
Particle-filtering half mask, filter P2

Hand protection

Chemical-resistant gloves

Eye protection

Tightly fitting goggles

Other protection measures

Protective clothing

General protective measures

Avoid contact of molten material with skin.
Do not inhale gases/vapour/aerosols.
Do not inhale dust.
Avoid contact with the eyes.

Hygiene measures

At work do not eat, drink and smoke.
Keep away from food and drink.
Wash hands and skin before breaks and after work.

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Limitation and surveillance of the environment

Product related measures to prevent exposure
Organizational measures to prevent exposure

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	granules
Odour:	characteristic
Odour threshold:	not determined
Colour:	various, depending on coloration
pH value:	not determined
Boiling temperature/boiling range:	not determined
Melting point / Freezing point:	not determined
Flash point:	> 200°C
Flammable (solid):	not determined
Flammable (gas):	not determined
Ignition temperature:	not determined
Self-Ignition temperature:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure:	not determined
Relative density:	0,9 – 1,5 g/cm³
Bulk density:	0,45 – 0,7 g/cm³
Vapour density:	not determined
Solubility in water:	insoluble
Solubility / other:	not determined
Partition coefficient n-octanol / water (log P O/W):	not determined
Viscosity:	not determined

Oxidizing properties

No information available.

Explosive properties:

No information available.

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Reactions with strong oxidizing agents.

10.5. Incompatible materials

Substances to avoid

Reactions with strong oxidizing agents.

Reactions with reducing agents.

10.6. Hazardous decomposition products

Nitrous gases

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

LD50 acute oral

No data available

LD50 acute dermal

No data available

LC50 acute inhalation

No data available

Skin irritation

No data available

Eye irritation

No data available

Skin sensitization

Sensitization possible

Sensitization respiratory system

Sensitization possible

Subacute toxicity – Carcinogenicity

Mutagenicity

No data available

Reproduction-toxicity

No data available

Carcinogenicity
No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Fish

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Daphnia

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Algae

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

Bacteria

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

12.2. Persistence and degradability

Physico-chemical degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Biological degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Remove in accordance with local official regulations.

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Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Other regulations (EU)

All ingredients of the mixture correspond to the currently applicable provisions of the REACH Regulations.

National regulations

Restriction of occupation

Observe employment restrictions for young people.

Observe employment restrictions for mothers-to-be and nursing mothers.

Other regulations, restrictions and prohibition regulations

UVV "Work machines of the chemical industry, rubber and plastic industry" (VBG 22)

Water hazard class 1 self-classification

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)